

MOS 3052, PACKAGING SPECIALIST

DUTY AREA 01 - ADMINISTRATIVE FUNCTIONS: E1 TO E3

TASK: 3052.01.01 (CORE) RESEARCH PUBLICATIONS, DIRECTIVES, AND CORRESPONDENCE TO IDENTIFY HAZARDOUS MATERIAL

CONDITION(S): Given a listing of research material for classification, suspected hazardous material, and the references.

STANDARD(S): To ensure all hazardous materials are identified by the proper nomenclature.

PERFORMANCE STEPS:

1. Review the references.
2. Reconcile listing of material against research material.
3. Determine unit stockage of hazardous material.
4. List hazardous material by proper nomenclature.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. CFR TITLE 29, Occupational Safety & Health Standards for General Industry (1910)
2. IATA, International Air Transportation Association
3. ICAO, International Civil Aviation Organization
4. IMDG, International Maritime Dangerous Goods
5. MCO P4030.19_, Preparation of Hazardous Material for Military Air Shipments

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DUTY AREA 02 - PERSONNEL MANAGEMENT: E1 TO E3

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DUTY AREA 03 - OPERATIONAL FUNCTIONS: E1 TO E3

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DUTY AREA 04 - CONTAINER MANUFACTURING: E1 TO E3

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DUTY AREA 05 - MATERIAL PRESERVATION AND PACKAGING: E1 TO E3

TASK: 3052.05.01 (CORE) PERFORM PARTIAL DISASSEMBLY OF COMPONENTS FOR PRESERVATION AND PACKAGING

CONDITION(S): Given items requiring partial disassembly and the references.

STANDARD(S): To ensure that items is disassembled to the point where further disassembly would require special skills or tools in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Disassemble item.
4. Ensure all parts are kept with the item.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I
3. MCO P4030.36_, USMC Packaging Manual
4. MIL STD 2073.1C, Standard Practice for Military Packing

TASK: 3052.05.02 (CORE) PERFORM C-1 (ANY APPLICABLE PROCESS) CLEANING PROCESS

CONDITION(S): Given items requiring cleaning and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Select the cleaning process to be used.
3. Wear appropriate safety equipment.
4. Clean the item to meet the five basic cleaning requirements.
5. Test for cleanliness.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

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REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I
3. MIL STD 2073.1C, Standard Practice for Military Packing

TASK: 3052.05.03 (CORE) PERFORM C-3 (SOLVENT) CLEANING PROCESS

CONDITION(S): Given an item with a light grease or oil, two cleaning solvent tanks, and the references.

STANDARD(S): To ensure that item is free of all grease and oil in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Immerse item in the solvent cleaning tank placing it in position for the most effective washing action.
4. Agitate the item thoroughly for complete cleaning.
5. Use a brush where necessary to remove heavy contaminant.
6. Remove clean item from tank and allow complete drainage.
7. Immerse item in second tank (rinse tank) and agitate, as necessary.
8. Remove from rinse tank and place on tray to thoroughly drain.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.04 (CORE) PERFORM C-5 SOLVENT CLEANING FOLLOWED BY FINGERPRINT REMOVAL

CONDITION(S): Given an item with light grease or oil, critical functioning surfaces or close tolerances, and the reference.

STANDARD(S): To ensure all grease, oil, perspiration, fingerprints, and contaminants will be removed from the item in accordance with the references.

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PERFORMANCE STEPS:

1. Review the reference.
2. Wear appropriate safety equipment.
3. Immerse item in the solvent cleaning tank, placing it in a position to receive the most effective washing action.
4. Agitate the item thoroughly for complete cleaning.
5. Use a brush where necessary to remove heavy contaminant.
6. Remove clean item from tank and allow complete drainage.
7. Immerse item in second tank (rinse tank) and agitate, as necessary.
8. Remove from rinse tank and place on tray to thoroughly drain.
9. Immerse item in perspiration and fingerprint removal compound.
10. Agitate the item for 2 to 3 minutes.
11. Remove item from fingerprint removal compound and allow drainage.
12. Immerse item in second tank containing uncontaminated dry cleaning solvent or paint thinner and rinse thoroughly.
13. Drain and dry the items.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I

TASK: 3052.05.05 (CORE) PERFORM C-8 (PERSPIRATION AND FINGERPRINT REMOVAL) CLEANING PROCESS

CONDITION(S): Given items with critical functioning surfaces or close tolerances and the references.

STANDARD(S): To ensure that all perspiration, fingerprints, and contaminants are removed from the item.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Immerse items in perspiration and fingerprint removal compound.

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4. Agitate the items for 2 to 3 minutes.
5. Remove items from fingerprint removal compound and allow drainage.
6. Immerse items in second tank containing uncontaminated dry cleaning solvent and paint thinner and rinse thoroughly.
7. Drain and dry the items.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
 2. MCO P4030.31D, Packing Material Preservation, Vol I
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TASK: 3052.05.06 (CORE) PERFORM C-9 (ALKALINE) CLEANING PROCESS

CONDITION(S): Given an item having a noncritical surface, oily and heavy waxes, an alkaline solution cleaning tank, a hot water cleaning tank, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.

2. Wear appropriate safety equipment.
3. Immerse item in alkaline solution at 205 to 210 degrees fahrenheit.
4. Remove item from alkaline solution and immerse item in a hot water rinse of 180 to 210 degrees fahrenheit.
5. Rinse and let item drain.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.07 (CORE) PERFORM C-12 (EMULSION) CLEANING PROCESS

CONDITION(S): Given an item with oil-soluble and/or water-soluble contaminants, spray washer, and the references.

STANDARD(S): To ensure the item is free of contaminants.

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PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Load the item so that sprayed emulsion will reach all surfaces that are to be cleaned.
4. Pass items through or suspend them in emulsion spray zone.
5. Check results of cleaning and readjust spray nozzles as necessary in order to ensure effective cleaning.
6. Follow the pressure spraying by thorough immersion rinsing in clean hot water (180 F).
7. If equipment does not have an automatic blowoff, dry items with clean compressed air or other approved drying procedure.
8. Inspect for cleanliness and test as necessary.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.08 (CORE) PERFORM C-14 (STEAM) CLEANING PROCESS

CONDITION(S): Given an item too large to be soaked in tanks or conveyed through spraying machines, required equipment, and the reference.

STANDARD(S): To ensure all oils, greases, and other deposits are removed from items.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Prepare cleaner for operations by checking assembly, water supply, electrical source, fuel supply, proper lubrication and position of all valves, open or closed, as required.
4. Start the jet cleaner.
5. Direct cleaning gun discharge assembly to the item requiring cleaning.
6. Shut off the flow soap concentrate and turn gun control handle from vapor to

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rinse. Open soap control valve 1/8th turn from closed position to allow a small amount of soap solution to flow and thus prevent heating coil restriction.

7. Rinse item with clean high-pressure steam until residue has been removed.
8. Shut off steam unit.

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REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.09 (CORE) PERFORM C-15 (ABRASIVE BLAST) CLEANING PROCESS

CONDITION(S): Given an item with solid, tightly adhering contaminants requiring cleaning, an abrasive cleaner, and the reference.

STANDARD(S): To ensure the item is free of contaminants.

PERFORMANCE STEPS:

1. Review the reference.
2. Wear appropriate safety equipment.
3. Mask off any portions of item that must not be blasted.
4. Direct the stream of abrasive at a 90-degree angle to work surface and move nozzle only as fast as the surface is cleaned.
5. Blowoff with compressed air or rinse in an inhibited cleaning solution.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.10 (CORE) PERFORM C-17 (SOFT GRIT BLAST) CLEANING PROCESS

CONDITION(S): Given an item with a light coat of rust or scale on its surface, a soft grit blasting machine, and the references.

STANDARD(S): To ensure that item is clean and free of rust or scale.

PERFORMANCE STEPS:

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1. Review the references.
2. Wear appropriate safety equipment.
3. Place item on table, in tumbler or in baskets, depending on its size.
4. Place arms through rubber sleeve opening in blaster.
5. Hold item in one hand while blasting. Direct the blasting steam with the other.
6. Remove cleaned item from cabinet and dip it in a tank of corrosion inhibited rinse water.
7. Dry the item as soon as possible after rinsing.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.11 (CORE) PERFORM D-1 (PREPARED COMPRESSED AIR) DRYING PROCEDURES

CONDITION(S): Given items cleaned with solvent, a compressed air machine, and the references.

STANDARD(S): Ensure that item is free of contaminants.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Adjust the air pressure to 30 pounds per square inch.
4. Apply the compressed air to the surfaces of the item.
5. Ensure solvent is evaporated by compressed air.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

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TASK: 3052.05.12 (CORE) PERFORM D-2 (OVEN) DRYING PROCEDURES

CONDITION(S): Given items cleaned with solvent, an oven, and the references.

STANDARD(S): To ensure that item is free of contaminants.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Place items in basket or on a rack in oven.

4. Set proper oven temperature.

5. Remove dry item from oven.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I

2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.13 (CORE) PERFORM D-3 (INFRARED LAMP) DRYING PROCEDURES

CONDITION(S): Given items previously cleaned, an infrared cabinet, and the references.

STANDARD(S): To ensure that the item is dry and free of contaminants.

PERFORMANCE STEPS:

1. Review the references.

2. Wear appropriate safety equipment.

3. Place items on conveyer or monorail for passage through infrared cabinet.

4. Adjust the speed of the conveyer so that items are dry upon exit of cabinet.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I

2. MCO P4030.31D, Packing Material Preservation, Vol I

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TASK: 3052.05.14 (CORE) PERFORM D-4 (WIPING) DRYING PROCEDURES

CONDITION(S): Given an item previously cleaned, a lint free cloth, and the references.

STANDARD(S): To ensure the item is dry and lint free.

PERFORMANCE STEPS:

1. Review the references.

2. Wear appropriate safety equipment.
3. Use clean lint-free, dry cloth to wipe off cleaner residues until surfaces are apparently dry.
4. Change to fresh, clean, dry lint-free cloths, and polish until assured of a thoroughly dried surface.
5. Discard wiping cloths when they become saturated or soiled.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.15 (CORE) PERFORM D-5 (DRAINING) DRYING PROCEDURES

CONDITION(S): Given items cleaned with a petroleum solvent requiring preservation, a drain rack, barrier material, neutral papers, cushioning materials, rigid metal containers, marking equipment, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Wear appropriate safety equipment.
3. Remove the items from cleaning tank and place on rack to drain.
4. Check items surfaces.
5. Apply contact preservative as required.
6. Wrap items in initial barrier.
7. Cushion items and place in container.
8. Place lid on container and seal.

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9. Vacuum pack, if required.
10. Mark container to identify contents.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.36_, USMC Packaging Manual

TASK: 3052.05.16 (CORE) PERFORM METHOD 10 (MECHANICAL OR PHYSICAL PROTECTION ONLY) PRESERVATION

CONDITION(S): Given items requiring method 10 preservation, ties and binders, wrapping materials, cushioning materials, blocking and bracing materials, containers, tapes and labels, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Determine if method 10 preservation is correct.
4. Select materials needed.
5. Package item.
 - a. Ensure item is protected from scratching, abrading, chipping, or marring
 - b. Utilize blocking and bracing measures to counteract the effects of falls, blows, and carrier hazards
6. Inspect package.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I
3. MIL STD 2073.1C, Standard Practice for Military Packing
4. MIL STD 2073.1D, Standard Practice for Military Packing

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TASK: 3052.05.17 (CORE) PERFORM METHOD 31 (WATERPROOF BAG, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, greaseproof barrier material, neutral papers, cushioning materials, bags, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Support items with fiberboard.
5. Wrap supported items in barrier material.
6. Insert wrapped items in waterproof bag.
7. Exhaust excess air from bag to the minimum.
8. Heat-seal the bag.
9. Mark the bag to indicate its contents.
10. Identify completed pack.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.18 (CORE PLUS) PERFORM METHOD 32 (CONTAINER ENCLOSED IN WATERPROOF BAG, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, greaseproof barrier material, neutral papers, cushioning materials, bags, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.

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3. Ensure items have contact preservative applied.
4. Wrap items in barrier material.
5. Cushion items and place in container.
6. Insert in waterproof bag.
7. Exhaust excess air from bag to the minimum.
8. Heat-seal the bag.
9. Mark the bag to indicate its contents.
10. Identify unit pack.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.19 (CORE) PERFORM METHOD 33 (GREASEPROOF, WATERPROOF BAG, SEALED)
PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, neutral papers, cushioning materials, greaseproof/waterproof bags, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Wrap cleaned and preserved items in neutral paper.
5. Cushion items.
6. Insert in waterproof/greaseproof bag.
7. Exhaust excess air from bag to the minimum.
8. Heat seal bag.
9. Mark the bag to indicate its contents.
10. Identify the completed pack.

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REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.20 (CORE PLUS) PERFORM METHOD 41 (WATER-VAPORPROOF BAG, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, barrier material, neutral papers, cushioning materials, rigid metal containers, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Wrap cleaned and preserved items in neutral paper.
5. Cushion items.
6. Insert items in bag.
7. Exhaust excess air from bag to the minimum.
8. Heat seal bag.
9. Mark the bag to indicate its contents.
10. Identify the completed pack.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.21 (CORE) PERFORM METHOD 42 (CONTAINER, BAG, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, barrier material, neutral

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papers, cushioning materials, bags, cartons, boxes, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Wrap cleaned and preserved items in neutral paper.
5. Cushion items.
6. Insert items in bag.
7. Exhaust excess air from bag to the minimum.
8. Heat seal bag.
9. Mark the bag to indicate its contents.
10. Identify the completed pack.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.22 (CORE) PERFORM METHOD 43 (FLOATING WATERPROOF BAG, SPILLED)
PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, barrier material, neutral papers, cushioning materials, gasket material, bags, marking equipment, and the reference.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.

3. Ensure items have contact preservative applied.
4. Wrap items in barrier material.

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5. Drill holes for mounting base.
6. Place mounting bolts, locate gaskets, and seal with adhesives.
7. Cut barrier and seal bolt openings and gaskets with adhesive.
8. Add cushioning material and mount items to base.
9. Secure cushioning material around items.
10. Heat seal the water-vapor-proof barrier.
11. Leave small opening for air removal.
12. Remove excess air and make final seal to complete pack.
13. Place items in outer container for shipping.
14. Mark container with contents.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.23 (CORE) PERFORM METHOD 44 (RIGID CONTAINER OTHER THAN ALL METAL, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, barrier material, neutral papers, cushioning materials, rigid containers, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.

4. Wrap items in barrier material.
5. Cushion items.
6. Place items in container.
7. Seal container.

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8. Mark container with contents.
9. Identify completed unit pack.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.24 (CORE PLUS) PERFORM METHOD 51 (CUSHIONED ITEM, WATERPROOF BAG, SEALED) PRESERVATION

CONDITION(S): Given clean, dry preserved items requiring storage in a low humidity environment, neutral barrier material, cellulose wadding, bags, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Prevent direct contact between the item and any wood or other hygroscopic material by applying wrappings of Grade A, MIL-B-121, QQ-A-1876 over contact points.
4. Wrap clean items in neutral barrier.
5. Cushion wrapped items.
6. Insert items and desiccant in water-vapor-proof bag.
7. Leave sufficient material at the top of the bag to permit resealing at least twice.
8. Insert humidity indicator.

9. Ensure desiccant bags do not touch critical surfaces of item.
10. Exhaust excess air from bag and heat seal.
11. Identify and apply method II label to completed pack.
12. Inspect the package to ensure there are no leaks.
13. Ensure that the preservation is accomplished in one continuous operation in the shortest possible time.

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INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.25 (CORE) PERFORM METHOD 52 (CONTAINER, WATERPROOF BAG, SEALED, CONTAINER) PRESERVATION

CONDITION(S): Given items which have received method IIE (container, bag, sealed), outer containers, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Determine appropriately sized outer container.
4. When wooden boxes are used, they shall be lined with heavy kraft paper to prevent chaffing of the water-vapor-proof barrier.
5. Fiberboard containers will conform to weather-resistant class or grade of PPP-B-636 or PPP-B-640.
6. Insert water-vaporproof bag in outer container.
7. Seal outer container.
8. Ensure barrier material is not damaged when container is sealed.
9. Apply identification and method II labels to completed package.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.26 (CORE PLUS) PERFORM METHOD 53 (FLOATING WATERPROOF BAG, SEALED)
PRESERVATION

CONDITION(S): Given clean, dry, preserved items requiring storage in a low humidity environment, bags, marking equipment, and the references.

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STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Prevent direct contact between the item and any wood or other hydroscopic material by applying wrappings of Grade A, MIL-B-121, QQ-A-1876 over contact points.
4. Prepare mounting base and floating barrier.
5. Seal gasket openings around mounting bolts.
6. Place items on mounting base and secure bolts.
7. Cushion projections attach desiccant and humidity indicator.
8. Ensure desiccant bags do not touch critical surfaces of item.
9. Seal barrier except for an opening to exhaust air.
10. Leave sufficient material at the top of the bag to permit resealing at least twice.
11. Extract excess air from bag, using care not to rupture barrier.
12. Make final heat seal to close barrier.
13. Seal flaps, identify, and attach method II label to complete unit pack.
14. Pack item in suitable outer container for shipping.

15. Inspect the package to ensure there are no leaks.

16. Ensure that the preservation is accomplished in one continuous operation in the shortest possible time.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.27 (CORE) PERFORM METHOD 54 (RIGID CONTAINER OTHER THAN ALL METAL, SEALED) PRESERVATION

CONDITION(S): Given clean, dry items requiring preservation, barrier material, neutral

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papers, cushioning material, rigid containers, desiccant, marking equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Prevent direct contact between the item and any wood or other hygroscopic material by applying wrappings of Grade A, MIL-B-121, QQ-A-1876 over contact points.
5. Wrap items in barrier material.
6. Cushion items.
7. Place items in container.
8. Add desiccant and humidity indicator.
9. Ensure desiccant bags do not touch critical surfaces of item.
10. Seal container.
11. Mark container with contents.

12. Identify completed unit pack.

13. Ensure that the preservation is accomplished in one continuous operation in the shortest possible time.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I
3. MIL STD 2073.1C, Standard Practice for Military Packing

TASK: 3052.05.28 (CORE) PERFORM METHOD 55 (RIGID METAL CONTAINER, SEAL D) PRESERVATION

CONDITION(S): Given clean, dry preserved items requiring storage in a low humidity environment, barrier material, cushioning material, rigid metal containers with machine seamed closures or reusable gasket closures, marking equipment, and the references.

STANDARD(S): In accordance with the references.

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PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Ensure items have contact preservative applied.
4. Prevent direct contact between the item and any wood or other hygroscopic material by applying wrappings of Grade A, MIL-B-121, QQ-A-1876 over contact points.
5. Mount clean items to a suitable base.
6. Extra care will be taken to ensure sufficient impact protection.
7. Secure desiccant bags in position.
8. Ensure desiccant bags do not touch critical surfaces of item.
9. Locate humidity indicator on top bracing, insert items in reusable container.
10. Seal rubber gasket firmly in lid and place on container.
11. Position locking ring and fasten with nut and bolt.

12. Tap locking ring lightly as nut is being tightened.
13. Inspect the container to ensure there are no leaks.
14. Identify and seal with tamper proof seal.
15. Ensure that the preservation is accomplished in one continuous operation in the shortest possible time.
16. Ensure the interval between the opening of the container and the final sealing is kept as short as possible.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MCO P4030.31D, Packing Material Preservation, Vol I

TASK: 3052.05.29 (CORE PLUS) PERFORM LEVEL A PACKAGING

CONDITION(S): Given items requiring level A packaging, required tools, materials, and the references.

STANDARD(S): To protect items against direct exposure to extremes of climate, terrain,

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operational, and transportation environment without protection other than provided by the pack as in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Determine type of packing.
3. Determine the materials needed.
4. Perform level A pack.
5. Inspect final product to ensure compliance with the standard.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
2. MCO P4030.31C, Packing Material Preservation, Vol I

3. MCO P4030.31D, Packing Material Preservation, Vol I
 4. MCO P4030.36_, USMC Packaging Manual
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TASK: 3052.05.30 (CORE PLUS) PERFORM LEVEL B PACKAGING

CONDITION(S): Given items requiring level B packaging, required tools, materials, and the references.

STANDARD(S): To protect items against physical damage and deterioration during favorable conditions of shipment, handling, and storage, in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Determine type of packing.
3. Determine materials needed.
4. Perform level B pack.
5. Inspect final product to ensure compliance with the standard.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II

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2. MCO P4030.36_, USMC Packaging Manual
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TASK: 3052.05.31 (CORE PLUS) PERFORM LEVEL C PACKAGING

CONDITION(S): Given items requiring level C packaging and the references.

STANDARD(S): To protect items against physical damage and deterioration during the most favorable shipment and storage conditions in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Ensure minimum protection is acceptable.
3. Determine type of packing.

4. Determine materials needed.
5. Perform level C pack.
6. Inspect final product to ensure compliance with the standard.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
2. MCO P4030.31C, Packing Material Preservation, Vol I
3. MCO P4030.36_, USMC Packaging Manual

TASK: 3052.05.32 (CORE PLUS) PERFORM ELECTROSTATIC DISCHARGE PACKAGING

CONDITION(S): Given items to be packaged, working area, materials, and the references.

STANDARD(S): To prevent the buildup of static charge in packed items in accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Inspect gear.
4. Prepare area.

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5. Select materials.
6. Pack gear.
7. Inspect final product.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MIL E 17555
2. MIL HDBK 263_, Electrostatic Discharge Control handbook for Protection of Electrical and Electronic Parts

3. MIL HDBK 773, Military Handbook, Electrostatic Discharge Protective Packaging

4. MIL STD 1686, Electrostatic Discharge Control Program for Protection of Electrical and Electronic Parts, Assemblies

TASK: 3052.05.33 (CORE) PRESERVE MOTOR VEHICLES

CONDITION(S): Given motor vehicle requiring preservation, required tools, equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Inspect motor vehicle.
3. Determine level of protection.
4. Apply level of protection.
5. Inspect final work to ensure compliance with the standard.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MIL V 62038
2. ATPD 2246, Vehicle Preservation

TASK: 3052.05.34 (CORE) PRESERVE/PACKAGE MOTOR VEHICLE COLLATERAL EQUIPMENT

CONDITION(S): Given motor vehicle collateral equipment requiring preservation, required

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tool, materials, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Inspect collateral equipment.
3. Determine method, class, or type of preservation and package.

4. Preserve and package.
5. Inspect completed work.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S):

1. MIL B 12841
 2. MCO P4030.21_, Packaging Material Packing, Vol II
 3. MCO P4030.31C, Packing Material Preservation, Vol I
 4. MCO P4030.31D, Packing Material Preservation, Vol I
 5. MIL STD 2073.1C, Standard Practice for Military Packing
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TASK: 3052.05.35 (CORE) APPLY PRESERVATIVE

CONDITION(S): Given required preservation, preservatives, and the references.

STANDARD(S): In accordance with references.

PERFORMANCE STEPS:

1. Wear appropriate safety equipment.
2. Identify the proper preservative.
3. Identify the proper technique to be applied.
4. Apply the proper preservative.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: Pvt

REFERENCE(S): (NONE)

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DUTY AREA 06 - MATERIAL PACKAGING: E1 TO E3

TASK: 3052.06.01 (CORE) FABRICATE CASE LINER

CONDITION(S): Given barrier materials and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Wear appropriate safety equipment.
3. Select materials to be used.
4. Fabricate case liner.
5. Ensure case liners are large enough that the weight of the load will be borne by the container, not the liner.
6. Inspect the liner to ensure there is no tension in the walls or joints of the liner.
7. Inspect case liner to ensure compliance with the standard.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II

TASK: 3052.06.02 (CORE) PREPARE PROTECTIVE BARRIERS

CONDITION(S): Given an item that is ready to be placed into a container, barrier material, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Wear appropriate safety equipment.
3. Select the type and grade of barrier to be used.
4. Close per the specification MIL-L-10547.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

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1. MCO P4030.21_, Packaging Material Packing, Vol II

TASK: 3052.06.03 (CORE) INSTALL CUSHIONING IN THE SHIPPING CONTAINER

CONDITION(S): Given an item to be cushioned in a shipping container, cushioning material, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Determine cushioning requirements.
3. Cushion item.
4. Inspect item to ensure compliance with the standard.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
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TASK: 3052.06.04 (CORE) FABRICATE AN INTERIOR SHROUD

CONDITION(S): Given an item to be packaged, packing material, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Cushion or pad all sharp projections of the item.
3. Select the class of material to be used.
4. Make shroud.
5. Inspect shroud to ensure compliance with the standard.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
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TASK: 3052.06.05 (CORE) INSTALL BLOCKING IN THE SHIPPING CONTAINER

CONDITION(S): Given blocking material, containers, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Determine load requirement.
3. Install cross-bracing.
4. Use plywood to keep wood from splitting.
5. Use steel strapping as required.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
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TASK: 3052.06.06 (CORE) INSTALL BRACING IN THE SHIPPING CONTAINER

CONDITION(S): Given an item that needs physical and mechanical protection and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Choose the bracing method to be used.
3. Secure moving parts.
4. Check item to see if movement is prevented.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II
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TASK: 3052.06.07 (CORE) SEAL BARRIER MATERIAL

CONDITION(S): Given barrier material, sealing equipment, and the references.

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STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Wear appropriate safety equipment.
3. Prepare heat-sealing equipment.
4. Adjust temperature, dwell time, and pressure per the barrier material instruction.
5. Determine appropriate settings by trial and adjustment.
6. Seal barrier material.
7. Inspect seal to ensure there are no leaks.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.31C, Packing Material Preservation, Vol I
2. MIL STD 2073.1C, Standard Practice for Military Packing

DUTY AREA 07 - PREPARATION FOR SHIPMENT FUNCTIONS: E1 TO E3

TASK: 3052.07.01 (CORE) WATERPROOF SHIPPING CONTAINERS

CONDITION(S): Given an item, a shipping container, waterproofing materials, and the references.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the references.
2. Select the barrier material to be used.
3. Seal the case liner or wraps in accordance with the references.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MIL L 10547
2. MCO P4030.21_, Packaging Material Packing, Vol II

TASK: 3052.07.02 (CORE) SEAL FIBERBOARD SHIPPING CONTAINERS

CONDITION(S): Given fiberboard shipping containers, sealant, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

1. Review the reference.
2. Apply adhesive and tape.
3. Stitch as required.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II

TASK: 3052.07.03 (CORE) STRAP FIBERBOARD/WOOD SHIPPING CONTAINERS

CONDITION(S): Given strapping materials, containers, and the reference.

STANDARD(S): In accordance with the reference.

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PERFORMANCE STEPS:

1. Review the reference.
2. Inspect container.
3. Select strapping.
4. Strap container.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.21_, Packaging Material Packing, Vol II

TASK: 3052.07.04 (CORE) WEIGH AND CUBE SHIPPING CONTAINERS

CONDITION(S): Given a weighing scale, tape measure, cube transformation chart, shipping container, and the reference.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the reference.
2. Weigh gear.
3. Measure length, width, and height of container.
4. Divide by the constant 1728.
5. Determine cube.
6. Mark the container with the weight and cube calculations.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MIL STD 129, Military Standard Marking for Shipment and Storage
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TASK: 3052.07.05 (CORE) FABRICATE MARKING STENCILS

CONDITION(S): Given a stenciling machine, stenciling board, and the reference.

STANDARD(S): In accordance with the reference.

PERFORMANCE STEPS:

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1. Review the reference.
2. Identify marking stencils required.
3. Fabricate marking stencils.

INITIAL TRAINING SETTING: FLC Sustainment: 36 Req By: Pvt

REFERENCE(S):

1. MIL STD 129, Military Standard Marking for Shipment and Storage

TASK: 3052.07.06 (CORE) MARK SHIPPING CONTAINERS

CONDITION(S): Given information on equipment to be shipped, stenciling equipment, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Research information.
3. Prepare stencil, stamp, or label.
4. Mark containers.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MCO P4030.36_, USMC Packaging Manual
2. MIL STD 129, Military Standard Marking for Shipment and Storage

TASK: 3052.07.07 (CORE) PALLETIZE SHIPPING CONTAINERS

CONDITION(S): Given pallets, shipping containers, and the references.

STANDARD(S): In accordance with the references.

PERFORMANCE STEPS:

1. Review the references.
2. Ensure limitations are complied with.
3. Use proper load arrangement.

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4. Inspect palletized shipping containers for compliance with the standard.

INITIAL TRAINING SETTING: FLC Sustainment: 18 Req By: Pvt

REFERENCE(S):

1. MIL STD 147
2. DOD 4145.19-R-1, Storage and Materials Handling
3. MCO P4030.21_, Packaging Material Packing, Vol II
4. MCO P4450.14, Joint Service Manual for Storage and Materials Handling

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